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TM(ADC)820/253/00A

TECHNICAL MEMORANDUM

(TM Series)

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> SAGE Unique-to-Site Environmental Data and Equipment Assignments Spokane ADS

SYSTEM

DEVELOPMENT

CORPORATION

2500 COLORADO AVE.

SANTA MONICA

CALIFORNIA

bу

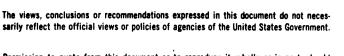
D. M. McDaniel

22 March 1963

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INTRODUCTION

This volume of the TM(ADC)-820 Series contains the official SAGE unique-to-site environmental data and equipment assignments which are to be used in adapting the Model 9 computer programs and in Simplex Data Distribution Unit terminal assignments for the Spokane Air Defense Sector. Certain adaptation data such as facility locations, characteristics, and other related data which apply to all sectors, is presented in volumes 3 through 7 of this TM series. The reader is referred to Volume 0 of this series for a detailed list of contents of all volumes.

SAGE Unique-to-site Equipment Review (USER) Committee signatures appear on page 5 of this document, with initials indicating approval, concurrence or review, as appropriate.

ADCM 55-32 currently defines adaptation data as being of two categories:

1) ADC Controlled Data; and 2) Field Controlled Data. A portion of this document is ADC Controlled Data and therefore constitutes a reason for the ADC Foreword page and NORAD Preface page authorizing the use of this data. However, since this document also contains Field Controlled Data, e.g.: "Times-2" display data; Manual Input data; etc, it is noted here that the aforementioned military preface and foreword page do not in any way usurp the position of the Division and Sector Commanders as delegated in ADCM 55-32, but instead reflect recognition of data forwarded by those Commanders to SDC.

Discrepancies noticed in any part of this document by SDC on-site programming teams should be forwarded to the authors utilizing current established procedures. Revisions to this document will be published as data changes occur or when practical. Changes to previous data will be indicated by use of a " > " next to the data change.

SERIES CONTENTS

VOLUME	ø	Series Description
VOLUME	1	Adaptation I/O limits and Drum Channel Requirements
VOLUME	2	Sector Environment Summaries
VOLUME	3	Sector and Region Positional Data
VOLUME	4	Radar Adaptation Data
VOLUME	5	Voice and Data-Link Communications Adaptation Data
VOLUME	6	Airbase and BOMARC Squadron Adaptation Data
VOLUME	7	ADA Site Adaptation Data
VOLUME	10	Unified Adaptation Guide for Region and Sector Data
VOLUME through	250 351	SAGE Unique-to-Site Environmental Data and Equipment Assignments

LIST OF EFFECTIVE PAGES

This page is a reference of changes to this volume and contains a complete index of all effective pages.

PAGE NO	CHANGE LETTER	PUBLICATION DATE	PAGE NO	CHANGE LETTER	PUBLICATION DATE
1	1 A 22 March 63				
2	A	22 Mar 63			
3 - 4	Basic	15 Oct 62			,
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9-10	Basic	15 Oct 62	ł		
11-13	A	22 Mar 63	ļ		
14-16	Basic	15 Oct 62			ı
17	A	22 Mar 63	! [

USER COMMITTEE SIGNATURES

	APPROVAL	CONCURRENCE	REVIEW	
APASTO Lt. Col D. D. Geranno	13/1			
SDC (DAS) . J. Logas	7	\(\bar{L} \) .		
WE/ADES 6 2 June			CYS	
IBM D. al Let			WI	

The SAGE Unique-to-Site Equipment Review (USER) Committee signatures appearing on this page only apply to the following sections:

Section 2.4 LRI Drum channel assignments

Section 6.2 Lateral-tell input channel assignments

Section 6.3 Ground-to-ground data link output assignments

Section 6.4 Ground-to-air data link output assignments

Section 6.5 Teletype output assignments

All other sections of this document need not be reviewed by the USER committee. This page will only be reissued when changes to the above mentioned sections are made.

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7.0 MANUAL INPUTS

1.0 SECTOR POSITIONAL DATA

SECTOR - SPOKANE

REGION - 25TH

AMP NO. 003

1.1.	SECTOR MODE		RAM BOUNDAR!	IES						
REF	HODE		UNUANI		LATI	THE)E	LONG	21 TI	IDE
01					059	00		115		
_					055	00	00	115	00	00
02										
03					045	20	00	115	00	00
04					045	20	00	117	00	00
05					044	00	00	120	00	00
06					044	00	00	120	50	00
07					045	50	00	121	50	00
08					046	30	00	121	00	00
09					055	00	00	121	00	00
10					057	00	00	123	00	00
11					059	00	00	123	00	00
12					OPEN	i T() NOF	TH		
1.1.2	MODE	11	BOUNDARIES							

	MODE IIA - GREAT FALLS	MODE IIB - SEATTLE
REF	LATITUDE LONGITUDE	REF LATITUDE LONGITUDE
01	055 00 00 113 00 00	01 059 00 00 115 00 00
02	045 20 00 113 00 00	02 055 00 00 115 00 00
03	045 20 00 115 00 00	03 045 20 00 115 00 00
04	045 20 00 117 00 00	04 045 20 00 117 00 00
05	044 00 00 120 00 00	05 044 00 00 120 00 00
06	044 00 00 120 50 00	06 044 00 00 120 50 00
07	045 50 00 121 50 00	07 045 50 00 121 50 00
08	046 30 00 121 00 00	08 045 50 00 133 30 00
09	055 00 00 121 00 00	09 045 50 00 134 30 00
10	057 00 00 123 00 00	10 OPEN TO NORTH AND WEST
11	059 00 00 123 00 00	
12	OPEN TO NORTH	

1.2 MAJOR WORLD GEOREFS SURROUNDING X1 AREA

SWITCH CODE	GEOREF	SWITCH CODE	GEOREF	SWITCH CODE	GEOREF
1	DJ	4	EJ	7	FJ
2	DK	5	EK	8	FK
3	DL	6	EL	9	FL

ADJACENT AUTOMATIC AND MANUAL SECTORS 1.3

AUTOMATIC SECTOR NAME	AUTO LTR. DSG.	SECTOR REF.NO. (EQ.ID.)	D/L TIED	AMP NO.	SWITCH CODE	MAN LTR. DSG.	MANUAL SECTOR NAME **
PORTLAND	M	1	YES	013	.0. •		
SEATTLE	Ğ	2	YES	012	. i		
					2		
					3	YQ	SASKATOON
					4	YF	KAMLOOPS
RENO	X	5	YES	016	5		
TONIM	P	6		019	6		
GREAT FALLS	A	7	YES	020	7		
SAN FRANCISCO	. T	8		018	8		
					0		

*SWITCH NO. O ON 10PB MODULES AND SWITCH NO. 10 ON 15PB MODULES **ONLY MDC'S WITH DC TTY OUTPUT ARE INDICATED

1.4 LAND SEA LINES

1	NORTH POINT MODE I NONE	SOUTH POINT
2 3	MODE IIA NONE MODE IIB 052.45 00 129 00 0	0 049 00 00 126 00 00
1.5	AIR DEFENSE IDENTIFICATION ZONE	
REF	•	LATITUDE LONGITUDE
01	ADIZ POINTS	051 15 00 128 00 00
02		050 30 00 121 45 00
03		050 10 00 121 26 00
04		049 00 00 120 30 00
05		049 00 00 109 00 00
01	OUTER CADIZ DOMESTIC	052 00 00 109 00 00
02		052 00 00 112 00 00
03		052 30 00 114 00 00
04		058 30 00 114 00 00
05		058 30 00 123 00 00
06		053 00 00 132 50 00
07	INNER CADIZ DOMESTIC	049 00 00 109 00 00
08		049 00 00 116 00 00
09		055 00 00 121 00 00
10		051 00 00 129 45 00
01	COASTAL CADIZ POINTS	053 00 00 132 50 00
02		052 00 00 132 00 00
03		048 30 00 125 00 00
04		048 20 00 128 00 00
05		048 20 00 132 10 00
06		052 00 00 135 00 00
07		053 00 00 132-50 00

2.2 GAP FILLER RADARS

GFR CH NO=	SI TE IDENT	MODE	AMP NO.	TIED LRR SWCH CODE	GFR SNCH CODE••
0					
l					
2	P-40B	I	103	5	1
3	P-40C	1	104	5	2
4					
Ś	THRU 34 BLA	NK			

- *SAME AS REFERENCE NUMBER MINUS I *+GFR SWITCH CODE BASED ON IMPLEMENTATION OF SPCR 1579
- LOCATION OF POINT NOT WITHIN ANY HE SHADOW AREA 2.3

 \triangleright NONE AVAILABLE

2.4 LRR DRUM CHANNEL ASSIGNMENTS

SDDU CONNECTIONS

	SITE LOCATION	TELCO Terminal	I.8.M. Terminal	CHANNEL NUMBER	SITE IDENT
		DI	RUM FIELD 1:(35)		
	SM-151	3F- 1	3F- 1	1	0100
	RP 1	3F- 2 3F- 3	3F- 2 3F- 3	2 3	0100 0010
	KP 1	3F- 4	3F- 4		0010
	P-46	3F- 5	3F- 5	5	0001
	P-40	3F- 6	3F- 6	6	0001
	P-44	3E- 7	3E+ 7	7	0011
	F: 44	3E- 8	3E- 8	8	0011
	P-40	3E- 9	3E-11	ıĭ	0101
	• • •	3E-10	3E-12	12	0101
\triangleright	C-18	30-11	30-13	13	1010
		3D-12	30-14	14	1010
\triangleright	C-19	3D-13	30-15	15	1011
		30-14	3D - 16	16	1011
\triangleright	C-21	3D-15	3D-17	17	1001
		3C-16	3C-18	18	1001
		DI	RUM FIELD 2 (37)		
	C-153	3C-17	3C-19	19	1101
		3C-18	3C-20	20	1101
	TM-179	3C-19	3C-21	21	0110
		3C-20	3 C-22	22	0110
	P-32	38-21	38-23	23	1000
		38-22	38-24	24	1000
	SM- 150	38-23	38-25	25	0111
		38-24	38-26	26	0111
\triangleright	C-54	38-25	38-29	29	1100
		3A-26	3A-30	30	1100
		3A-27	3A-31	31	
		3A-28	3A-32	32	
		3A-29	3A-33	33	
		3A-30	3A-34	34	
		4F-31 4F-32	4F-35	35 36	
		4F-3&	4F-36	30	

1

3.0 AIRBASE DATA

3.1 MANNED INTERCEPTOR AIR BASES AND SQUADRONS

					DE-TY							
				IN	DICA	TOR		SWC	4 SQ	UADR	IONS	AMP
	REF	- NAME	DSG	. 1	IIA	118	MODE	CODE	E UN	IT	DSG	NO.
	01	SPOKANE INTL WASH	GEG	S	S	S	1	14	498 116		AH GL	144
	02	LARSON AFB WASH	LRN	R	R	R	1	13			-	071
	03	PAINE FIELD WASH	PAE	R	R	S	IIB	12	64	FIS	EP	119
	04	MALMSTROM AFS MONT	GFA	R	R	R	OL	11				091
	05	GR.FALLS INTL MONT	GTF	R	R	R	OL	10				051
	06	MCCHORD AFB WASH	TCM	R	R	S	118	9	318	FIS	LK	081
	07	PORTLAND INT'L ORE	PDX	R	R	R	OL	8				127
	80	COMOX BC	99	R	R	S	118	7	409	AWF	HG	025
	09	KINGSLEY FIELD ORE	LMT	R	R	R	OL	6				065
	10	VANCOUVER INT'L BC	٧R	R	R	R	118	5				162
	11	CALGARY ALB	YC	R	R	R	AII	4				016
	12	NAMAO ALB	ED	R	R	R	AII	3				106
	13	GRANDE PRAIRIE ALB	QU	R	R	R	I	2				050
	14	WHIDBEY IS.WASH	NUW	R	R	R	IIB	1				166
•	15	WALLA WALLA CTY. WA	ALW	S	S	S		0				184

^{*}SAME AS A/B CHANNEL NUMBER PLUS ONE

3.2 SAC/MATS BASES

		3 LTR			
	NAME	DESIG	MODE+	NO.	
1	FAIRCHILD, WASH	SKA	I	033	
2	LARSON AFB, WASH	LRN	I	048	
3	SPOKANE INT, WASH	GEG	I	880	
4	MCCHORD, WASH	TCM	11	057	
5	NAMAO RCAF, ALB	ED	11	069	
6	SEATTLE-TAC, WASH	SEA	11	082	

^{*}MODE IS DEFINED HERE AS INCLUDING A 50 MILE OVERLAP ZONE

- 4.0 BOMARC DATA
- 4.1 BOMARC A BASES NONE
- 4.2 BOMARC B BASES NONE

5.0 ARMY AIR DEFENSE COMMAND POST(AADCP) DATA

SWCH CODE+	NAME	OPTION	MODE	EQ.ID.	AMP NO.	PARENT SECTOR	MODE II CONTROL	OVERLAP COVERAGE
1 2	SEATTLE	AUTO	IIB	12	021	SE	SP	PO
2 3 4 5 6 7 8 9 10 *SAME	AS AADCP NUM	AUTO BER	I	14	007	SP	SE	GR,RE,PO

6.0 COMMUNICATIONS DATA

6.1 TIME DIVISION DATA LINK RADIO SITES

REF.	IDENT	MODE	AMP NO.
01	SDC-15	1	265
02	SM-151	I	30 1
03	TM-179	IIA	329
04	P-32	I	152
05	P-44	118	164
06	P-46	118	166
07	C-21	I	021
08	C-153	I	073
09	C-54	IIA	054
10	C-18	118	018
11	C-19	118	019

6.6 LATERAL-TELL ROUTING TABLE - FIRST STOP

SECTOR DSG	SECTOR IST Route	REFERENCE 2ND ROUTE	NUMBER 3rd Route	4TH Route	5TH ROUTE
1 2					
5 4 5					
2 3 4 5 6 7 8 9					
10 11					
12 13 14	1				
15 16 17	5				
18 19 20	5 5 7				
21 22 23					
24 25 26					
27 28 29					
30 31					

7.0 MANUAL INPUTS

	SSR NO.	NAME/IDENT	TYPE	55-20 DES1G	SSR NO.	NAME/IDENT	TYPE	55-20 DESIG
>	01	STA I AND 11	AEW	GV	10	STA 25	PV	M./
7	02						- •	MV
1			AEW	MO	11	C-18	MDC	GE
- 1	03	STA 21	AEW	GR	12	C- 19	MDC	GF
	04	STA 31	AEW	GX	13	C-21	MDC	YO
1	05	STA 33	ARW	MX	14	C-153	MDC	YF
	06	STA 1 AND 11	PV	GT	15	C-20	MDC	ĞÖ
	07	STA 3 AND 13	PV	MF	16	C-36	MDC	ÃQ
1	08	STA 21	PV	GS	17	DAWSON CREEK	MCL	HD
ӄ	09	STA 23	PV	MT	18	STONEY MT.	MCL	HS

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SYSTEM DEVELOPMENT CORPORATION

4345 24191 **USG Sec.** 2 (3) FIB BQ 4365 FIB Group Head - McChord USG DAS (6) PPB SSG System Data (2) 20157 FIB Team Heads - McChord Adair STB Run Designer 4770 PTG Control Unit Larson Phoenix Great Falls

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